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Szabad Hép, No 274, 1949.

CHEMICAL STUDIES TO BENEFIT HEAVY INDUSTRY

The Hungarian Chemical Society recently held a meeting at Szeged. This congress of scientists was different from most others in that as much time was devoted to discussion as to reports. Much discussion followed Dr Gyorgy Dobos's report, "Metal Powders and Production of Alloy Mixtures Fused by Electrolysis." Dobos suggested that the method heretofore used in aluminum manufacture could be applied to other industries. In the iron industry, the method could be used to produce cheap, good magnesium alloys. Engineers of the United Incandescent Lamp Company were especially interested in the report in connection with the manufacture of wolfram needed in lamp manufacture.

Gyula Bacskai, assistant professor at Szeged University, reported on corrosion experiments which he had conducted. The Hungarian iron industry produces 700,000 tons of iron annually. Of this amount approximately 100,000 tons are lost annually because of corrosion. As a result of his experiments, Bacskai concluded that the coating of paint applied to iron protects it not because it keeps the air away but because the paint brings about a chemical change on the surface of the iron and thus protects it against vapors and carbonic acid in the air. The suggestion was made that expensive painting could be avoided by making iron chemically resistant.

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